Welcome to the
SNIA Annual Members Symposium and
Persistent Memory Summit
Jim Pappas
Vice Chair, SNIA Board of Directors
Co-Chair, Solid State Storage Initiative (SSSI)
jim@intel.com
SNIA-at-a-Glance

160 unique member companies

2,500 active contributing members

50,000 IT end users & storage pros worldwide
2018 – SNIA Technical Work-in-Progress

- Cloud Data Management Interface (CDMI) Specification v2.0
- CDMI Reference Implementation 1.0
- SNIA Emerald™ Power Efficiency Measurement Specification 3.1
- ISO version of SNIA Emerald™ Power Efficiency Measurement Specification 3.0 (or 3.1)
- TGG / SNIA Emerald Storage Point-of-View
- LTFS Format Specification v3.0
- Object Drive Key Value API Specification v1.0
2018 – SNIA Technical Work-in-Progress

- NVM Programming Model v1.3
- Persistent Memory Hardware Threat Model v1.0
- NVM PM Remote Access for High Availability
- SMI-S v1.8
- Swordfish v1.1
- Solid State Storage Performance Test Specification (PTS) 2.0.1
- Real World Storage Workload (RWSW) IO Capture & Test Specification for Datacenter Storage Version 1.0.3
Welcome
Thanks To Our Sponsors

Underwriter

Gold

Demonstration

Tour PM Demos in the Atrium
- Morning Break
- Lunch
- Afternoon Break
Educate developers and users on PM and Solid State Storage
- Technology videos
- Summits and Webcasts on demand
- SNIA white papers

Develop and promote models and architectures
- NVM Programming Model
- JEDEC Standards

Collaborate with leading industry alliances and organizations
- OpenFabrics Alliance
- NVM Express

Join Us! – www.snia.org/pm
Persistent Memory Vision

Jim Pappas
Consider…

Storage
Further Consider…

Storage
Growth in Shipping Storage Capacity

- Total growth in shipped storage capacity due to:
  - Higher resolution images & 360° Video
  - IoT and AI
  - Fog and Cloud Computing
  - Big Science and Big Data in General

Shipped Capacity in Exabytes

Coughlin Associates

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Discrepancy

Further Consider...

Storage

Growth in Shipping Storage Capacity

- Total growth in shipped storage capacity due to:
  - Higher resolution images & 360° Video
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Perspective
Introductions

Jenni Dietz
SSSI Marketing Co-Chair, SSSI
MC Persistent Memory Summit

jenni.dietz@intel.com
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tr>
<td>7:30 am – 8:30 am</td>
<td>Symposium Continental Breakfast and Networking</td>
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<tr>
<td>8:30 am – 8:45 am</td>
<td>Welcome and What Are We Going to Accomplish Today</td>
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<tr>
<td>8:45 am – 9:15 am</td>
<td>Keynote: Realizing the Next Generation of Exabyte Scale Persistent Memory Centric Architectures and Memory Fabrics</td>
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<tr>
<td>9:15 am – 9:20 am</td>
<td>Symposium Attendees Leave for Sessions</td>
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<tr>
<td>9:20 am – 9:50 am</td>
<td>Persistent Memory Programming : The Current State and Future Direction</td>
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<tr>
<td>9:50 am – 10:30 am</td>
<td>File Systems</td>
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<td>10:30 am – 10:45 am</td>
<td>Break and Exhibits</td>
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<tr>
<td>10:45 am – 11:50 am</td>
<td>Persistent Memory Over Fabrics (PMoF)</td>
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<td>11:50 am – 12:10 pm</td>
<td>Windows OS Support for Persistent Memory</td>
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<tr>
<td>12:10 pm – 12:30 pm</td>
<td>Linux Persistent Memory Support – “Ask Me Anything”</td>
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<tr>
<td>12:30 pm – 1:30 pm</td>
<td>Lunch and Exhibits</td>
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## Summit Afternoon Agenda

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>1:30 pm – 1:50 pm</td>
<td><strong>Vmware vSphere Virtualization of PMEM</strong></td>
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<tr>
<td>1:50 pm – 2:40 pm</td>
<td><strong>Hype to Reality, a Panel Discussion with Leaders of Real World Persistent Memory Applications</strong></td>
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<tr>
<td>2:40 pm – 3:00 pm</td>
<td><strong>Quick and Painless System Performance Acceleration Using NVDIMMs</strong></td>
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<td>3:00 pm – 3:15 pm</td>
<td><strong>Coffee, Networking, and Demo Tour Break in the Atrium</strong></td>
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<tr>
<td>3:15 pm – 3:35 pm</td>
<td><strong>Workload Performance Comparison</strong></td>
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<td>3:35 pm – 4:00 pm</td>
<td><strong>Future Media</strong></td>
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<td>4:00 pm – 4:35 pm</td>
<td><strong>New Interfaces</strong></td>
</tr>
<tr>
<td>4:35 pm – 5:10 pm</td>
<td><strong>Analysts Weigh In on Persistent Memory</strong></td>
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<tr>
<td>5:10 pm – 5:25 pm</td>
<td><strong>Recap of Day and Closing Remarks</strong></td>
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Finally, Enjoy the Day and Socialize the Summit!

✈ Message your colleagues to live stream the Summit – and you can watch on-demand after the event:
  ✦ www.youtube.com/SNIAVideo

✈ Ask a question during the Summit:
  ✦ Tweet your question using #SNIAPM and we will do our best to address your question during the session

✈ Spread the word about the Summit!
  ✦ Tweet mentioning @SNIA
  ✦ Join our LinkedIn group – The Storage Networking Industry Association

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